

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Self Initiated Inspection

U-63-14-0692
FY 2018 Insp-

U6314069244532

FACILITY: Graphik Concepts, Inc.		SRN / ID: U63140692
LOCATION: 23555 Research Dr., Farmington Hills		DISTRICT: Southeast Michigan
CITY: Farmington Hills		COUNTY: OAKLAND
CONTACT:		ACTIVITY DATE: 05/24/2018
STAFF: Iranna Konanahalli	COMPLIANCE STATUS: Compliance	SOURCE CLASS:
SUBJECT: FY 2018 inspection of Graphik Concepts, Inc. ("Graphik")		
RESOLVED COMPLAINTS:		

Graphik Concepts, Inc. (U-63-14-0692)
23555 Research Dr.
Farmington Hills, Michigan 48335-2622

www.GraphikConcepts.com
1-800-472-8990

On May 24, 2018, I conducted a level 2 self-initiated **FY 2018 inspection** of Graphik Concepts, Inc. ("Graphik") located at 23555 Research Dr., Farmington Hills, Michigan 48335-2622. The inspection was conducted to determine compliance with the Federal Clean Air Act; Article II, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451 and Michigan Department of Environmental Quality, Air Quality Division (MDEQ-AQD) administrative rules.

During the inspection, Mr. Gordon Nodacker (Phone: 248-473-8990 Cell: NA; Fax: 248-473-8990; E-mail: gNodacker@GraphikConcepts.com), Manager, assisted me.

For over three decades, Graphik is providing graphic arts services, e.g. vinyl graphics, display signs, perforated window films, banners, wall murals, fleet graphics, etc., to police departments, trucks, buses, etc.

Printers (2) - Rule 336.1290

Two wide-format printers (ink-jet, about 10 feet wide) are present:

1. JV33-160 Mimaki printer (cartridge: 50-75% glycol ether in ink)
2. Seiko Color Printer M-64s printer (cartridge: 70-80% Bis (2-ethoxyl ether), CAS # 112-36-7)

Both printers exhaust to outside ambient air without any control. About 10 cartridges (≈ 5 cartridges per printer) per month are used. Inks contain Eco-solvents that contain both water and VOC solvents. The printers are exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rule 336.1291 (Actual VOC \ll 5 tpy VOC; ink usage \approx 180 liters \approx 48 gallons per year). However, the ink usage is small, 15 liters \approx 3.96 gallons of ink per month (10 cartridges per month, 1.5 liters \approx 0.40 gallons of ink per cartridge).

Paint spray booth – Rule 336.1287(2)(b)

One paint booth (8 ft. W* 8 ft. D* 8 ft. H), which used only spray cans (small quantity), with back-draft filters, was removed about 2014 to make space for other activities. The stack is sealed with a wooden board at the roof to prevent heat loss from the building. As seen from outside, the stack is still present.

Conclusion

Paint spray booth (Rule 336.1287(2)(b)) has been removed. Printing machines (Rule 336.1291) are exempt from Rule 336.1201.

NAME J. S. McManis

DATE 5/31/2018

SUPERVISOR Joyce B.